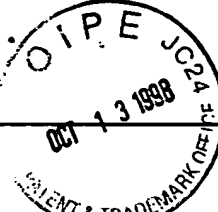


Sheet 1 of 1FORM PTO-1449
(REV. 2-32)

 INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTORNEY DOCKET NO.
TRD 009 PASERIAL NO.
08/989,373

APPLICANTS GARCIA et al.

FILING DATE
December 12, 1997GROUP ART UNIT
2743
2747

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

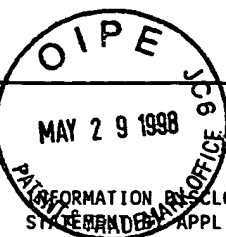
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

	08/472,876 filed June 7, 1995, title: APPARATUS AND METHOD OF ENHANCING ELECTRONIC AUDIO SIGNALS
	08/700,728 filed August 13, 1996, title: APPARATUS AND METHOD FOR THE HARMONIC ENHANCEMENT OF ELECTRONIC AUDIO SYSTEMS
	08/909,807 filed August 12, 1997, title: APPARATUS AND METHODS FOR THE HARMONIC ENHANCEMENT OF ELECTRONIC AUDIO SIGNALS

EXAMINER <i>Rig wla</i>	DATE CONSIDERED 3/1/99
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RJ	5,537,477	07/1996	Gauthier et al.			
RJ	5,361,306	11/1994	Garcia			
RJ	4,845,758	07/1979	Op de Beek et al.			
RJ	5,161,131	11/1992	Borchardt et al.			
RJ	5,515,446	05/1996	Velmer			
RJ	1,855,054	04/1932	Johnson			
RJ	3,243,511	03/1966	Erdman et al.			
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RJ	3,499,988	03/1970	Watanabe et al.			
RJ	3,659,056	04/1972	Morrison et al.			
RJ	3,985,977	10/1976	Beaty et al.			

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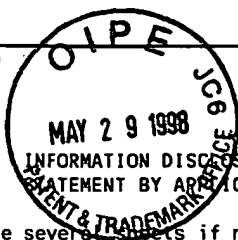
FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
RJ	2,137,427	10/1984	Great Britain			✓	
RJ	11-086008	10/1989	Japan (Abstract)			abstract	
RJ	23-011006	03/1991	Japan (Abstract)			abstract	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

	MODERN ELECTRONIC CIRCUITS REFERENCE MANUAL, JOHN MARKUS, 1980 McGraw Hill, ISBN 0-07-040446-1,
	pages 53, 60 and 61; 300 SCHALTUNGEN, Elektor Verlag GmbH, 1979, ISBN 3-921608-09-0, page 15,
	circuit 16, "Telefon-Mithörgerät"; 273-SCHALTUNGEN, Elektor Verlag GmbH, 1980, ISBN 3-921608-03-1,
	page 75, circuit 93, "Mithörverstärker für das Telefon"; and 273-SCHALTUNGEN, Elektor Verlag GmbH,
	1980, ISBN 3-921608-03-1, pages 174, 175, circuit 231 "Entzerrer".
EXAMINER	DATE CONSIDERED 3/1/99

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RJ	4,079,295	03/1978	den Hollander			
RJ	4,621,203	11/1986	Sweeny			
RJ	4,692,852	09/1987	Hoover			
RJ	4,490,844	12/1984	Sohn			
RJ	4,734,897	03/1988	Schotz			
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RJ	4,323,736	04/1982	Stickland			
RJ	4,864,478	09/1989	Bloom			
RJ	5,266,916	11/1993	Kijima			
RJ	5,524,334	06/1996	Boesel			

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

RJ	Basic Electronics, Vol. 1, U.S. Navy Training Pubs., 1971, pp. 168-170 and p. 258.
RJ	Electrical Fundamentals (Alternating Current), Dept. of the Army, 1951, pp. 32-37.

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